

What is claimed is:

1. A vehicle brake device comprising a hydraulic pressure generating device for generating a predetermined hydraulic pressure, a pressure adjusting valve for adjusting the hydraulic pressure supplied from said hydraulic pressure generating device to a value corresponding to brake operating force, an auxiliary hydraulic chamber, a master cylinder activated by hydraulic pressure supplied from said pressure adjusting valve into said auxiliary hydraulic chamber to generate hydraulic pressure corresponding to the hydraulic pressure in said auxiliary hydraulic chamber, and wheel cylinders activated by output hydraulic pressure from said master cylinder to impart braking force to vehicle wheels, further comprising a hydraulic pressure adjusting device for increasing and adjusting the hydraulic pressure of said auxiliary hydraulic chamber to a hydraulic pressure value that is not less than the output hydraulic pressure value of said pressure adjusting valve.

2. The vehicle brake device as claimed in claim 1 wherein said hydraulic pressure adjusting device comprises a normally opened differential pressure control valve disposed in a hydraulic passage connecting between

said auxiliary hydraulic chamber and the output side of said pressure adjusting valve, and a normally closed pressure increase control valve disposed in a hydraulic passage connecting between said auxiliary hydraulic chamber and said hydraulic pressure generating device.

3. The vehicle brake device as claimed in claim 1 wherein the output property of said pressure adjusting valve is set such that the vehicle deceleration obtained by the output of said pressure adjusting valve is smaller than a target vehicle deceleration.

4. The vehicle brake device as claimed in claim 1 wherein the output property of said pressure adjusting valve is set such that the gradient of pressure rise is small in a region where the brake operating force is small, and the gradient of pressure rise is large in a region where the brake operating force is large.

5. The vehicle brake device as claimed in claim 4 wherein the maximum value of the difference between the target vehicle deceleration and the output of said pressure adjusting valve is set so as to be substantially equal to the maximum value of regenerative braking force obtained by feasible regenerative braking.

6. The vehicle brake device as claimed in claim 4 wherein the target relation between the brake operating force and the vehicle deceleration is achieved by producing only a braking force that is insufficient with the regenerative braking force by means of said differential pressure control valve and said pressure increase control valve.